

MORE ELEMENTARY IMPROVEMENTS

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In *Elementary Transadditions* (February 2006), Darryl Francis lists the shortest transadditions he could find of 122 element names. These are a mixture of his own, recent, words and words documented as elementary transadditions in previous articles, including Ed Wolpow's *Chemical Improvements* (May 1995). A joint article, *Elementary Improvements*, by Jeremy Morse and Ed Wolpow (Feb. 1978), not mentioned by Darryl, includes three examples which actually improve on Darryl's current list, specifically NUMMULARIA (for ALUMINUM), SPHEROPHORUS (for PHOSPHORUS) and an optimal transaddition HUMANIFY (for HAFNIUM). In offering further improvements, I list just one example for each element name although, in some cases, several were found. Words can be found in the Oxford English Dictionary, Second Edition unless stated otherwise. Locations, taken from The United States Board on Geographic Names, are identified by country. *nz* = Nomenclator Zoologicus; *Web2* = Webster's Second Edition

OPTIMAL TRANSADDITIONS - these have a single letter added.

ACTINIUM - ANTI-MUSIC	ALUMINIUM - NALUMILUMI (Fiji)	ALUMINUM - ALUMINIUM
BERKELIUM - BUKLERIMEN (Norway)	CHROMIUM - CHROMICUM	EUROPIUM - CURIPEUMO (Chile)
FRANCIUM - INFRACTUM (<i>Chambers</i>)	GADOLINIUM - MOUDIENGILA (CongoR)	GERMANIUM - MEIORGANUM (<i>nz</i>)
HOLMIUM - OUMMILHA (Tunisia)	IRIDIUM - DILIRIUM	MANGANESE - MANGASTENE
MEITNERIUM - INTERMEDIUM	MERCURY - MERCURYE	NIOBIUM - IMBUTION
PALLADIUM - PULLAMBADI (India)	PHOSPHORUS - PHOSPHOROUS	PROMETHIUM - PRIM-MOUTHED
RUBIDIUM - MURUBINDI (Burundi)	SELENIUM - LUMINESCE	TECHNETIUM - MOUCHINETTE
THULIUM - ITHUMULA (Kenya)	TITANIUM - MILITAUNT	(Haiti)

Not included in Darryl's list: PROACTINIUM - PROTACTINIUM

NON-OPTIMAL TRANSADDITIONS - these have 2 or more letters added.

After each transaddition is the number of letters (bracketed) added in the corresponding example in Darryl's article.

2 letters added

CALIFORNIUM - ALUMINOFERRIC (<i>Web2</i>) (5)	FERMIUM - AMRUMTIEF (Germany) (3)
KRYPTON - PONY-TRUCK (3)	LANTHANUM - MANDLUNTSCHA (S. Africa) (4)
PLUTONIUM - MUNTINGPULO (Philippines) (4)	RUTHENIUM - UNTRIUMPHED (3)
SEABORGIUM - SEMIGLOBULAR (<i>Chambers</i>) (3)	TELLURIUM - TELLURONIUM (<i>Web2</i>) (3)
YTTERBIUM - YERITSATUMB (Armenia) (3)	ZIRCONIUM - ROUMANICIZE (4)

4 letters added

UNNILPENTIUM - TRAINING-PENDULUM (DF no example)

5 letters added

UNNILQUADIUM - QUADRIENNIUM UTILE (phrase *Web2*) (DF no example)

UNNILSEPTIUM - PNEUMONOPLEURITIS (*Web2*) (I have difficulty accepting Darryl's 'unnilpentiums')

8 letters added

JOLIOTIUM - JEJUNOILEOSTOMIES (*Stedman's Medical Dictionary*) (DF no example).

UNNILHEXIUM - LINGHEMENGGUZUXIANG (China) (DF no example)

Optimal transadditions have now been found for 93 of the 122 element names listed in Darryl's article. Adding one for PROACTINIUM brings the current count to 94 out of 123.